

Amendment to the claims

Please amend the claims as follows:

1-46. (Cancelled)

47. (Currently Amended) A method for controlling content playback related information in a network including a server, a playing device, and a controllercontrol device, the controllercontrol device being used for controlling the server and the playing device, the server and the playing device configured in either pushdifferent location mode or pushsame location mode, the method being performed by the controllercontrol device and comprising:

matching a protocol and a data format between the server and the playing device, the server and the playing device configured in pushsame location mode, wherein transport state values and rendering state values are, when a media content is reproduced according to the same location mode, used in same device for streaming and rendering the media content, the transport state values associated with current streaming status of the media content and the rendering state values associated with current rendering status of the media content, the transport state values and the rendering state values being transmitted separately from the media content, and the media content including at least one of audio data and video data;

requesting causing the playing device matched with the server in the protocol and data format in order to receive and render the media content streamed from the server such that the content is rendered through the playing device;

causing requesting the playing device to transmit the transmit transport state values and the rendering state values associated with a current playback status of the media content to the control device, whereby the current playback status is stored in the server according to a request signal, the request signal being for storing current status associated with playback of the streamed content, the transport state values associated with current streaming status of the content and the rendering state values associated with current rendering status of the content; and

causing sending a first command including the transport state values and the rendering state values transmitted from the playing device to the server to store the transport state values and the rendering state values,

wherein the controllercontrol device causes requests the server to transmit the stored transport state values and the stored rendering state values to be received by the

controllercontrol device,

wherein the controllercontrol device sends a second command including the transport state values and the rendering state values transmitted from the server to the playing device causes the playing device to such that the playing device sets set the rendering state values received by the controller included in the second command for rendering the content and to set the transport state values included in the second command for recovering the stored playback status of streaming the media content, and

wherein the media content is streamed from the server to the playing device according to the set transport state values in order to be and is rendered in the playing device according to the set rendering state values.

48. (Previously Presented) The method of claim 47, further comprising comparing the protocol and the data format between the playing device and the server to prepare a connection between the playing device and the server.

49. (Previously Presented) The method of claim 47, wherein the transport state values are associated with an audio/video (AV) transport application provided by the playing device.

50. (Previously Presented) The method of claim 47, wherein the rendering state values are associated with a rendering control application provided by the playing device.

51. (Previously Presented) The method of claim 47, wherein the transport and rendering state values are stored in the server with identification information for identifying the stored transport and rendering state values.

52. (Currently Amended) An Apparatus for controlling a server and a playing device included in a network in order to control content playback related information, the server and the playing device configured in either pushdifferent location mode or pullsame location mode, the apparatus comprising:

a control unit configured to:

match a protocol and a data format between the server and the playing device, the server and the playing device configured in pullsame location mode, wherein transport state values and rendering state values are, when a media content is reproduced according to the

same location mode, used in same device for streaming and rendering the content, the transport state values associated with current streaming status of the content and the rendering state values associated with current rendering status of the content, the transport state values and the rendering state values being transmitted separately from the media content, and the media content including at least one of audio data and video data.

request to cause the playing device matched with the server in the protocol and the data format in-order to receive and render the media content streamed from the server such that the content is rendered through the playing device,

request to cause the playing device to transmit the transport state values and the rendering state values associated with a current playback status of the media content to the apparatus, whereby the current playback status is stored in the server according to a request signal, the request signal for storing current status associated with playback of the streamed content, the transport state values associated with current streaming status of the content and the rendering state values associated with current rendering status of the content, and

sending a first command including the transport state values and the rendering state values transmitted from the playing device to cause the server to store the transport state values and the rendering state values,

wherein the controller request causes the server to transmit the stored transport state values and the stored rendering state values to be received by the controller apparatus,

wherein the controller causes sends a second command including the transport state values and the rendering state values transmitted from the server to the playing device to such that the playing device sets the rendering state values included in the second command received by the controller for rendering the content and to set the transport state values included in the second command for recovering the stored playback status of the media content received by the controller for streaming the content, and

wherein the media content is streamed from the server to the playing device according to the set transport state values in-order to be and is rendered in the playing device according to the set rendering state values.

53. (Previously Presented) The apparatus of claim 52, wherein the protocol and the data format between the playing device and the server are compared to prepare a connection between the playing device and the server.

54. (Previously Presented) The apparatus of claim 52, wherein the transport state values are associated with an audio/video (AV) transport application provided by the playing device.

55. (Previously Presented) The apparatus of claim 52, wherein the rendering state values are associated with a rendering control application provided by the playing device.

56. (Previously Presented) The apparatus of claim 52, wherein the transport and rendering state values are stored in the server with identification information for identifying the stored transport and rendering state values.

57. (New) A method for controlling content playback related information in a network including a server, a playing device, and a control device, the control device being used for controlling the server and the playing device, the server and the playing device configured in either different location mode or same location mode, the method being performed by the control device and comprising:

matching a protocol and a data format between the server and the playing device, the server and the playing device configured in same location mode, wherein position information and sound volume information are, when a media content is reproduced according to the same location mode, used in same device for streaming and rendering the media content, the position information associated with current streaming position of the media content and the sound volume information associated with current sound volume of the media content, the position information and the sound volume information being transmitted separately from the media content, and the media content including at least one of audio data and video data;

requesting the playing device matched with the server in the protocol and data format to receive and render the media content streamed from the server;

requesting the playing device to transmit the position information and the sound volume information associated with a current playback status of the media content to the control device, whereby the current playback status is stored in the server; and

sending a first command including the position information and the sound volume information transmitted from the playing device to the server to store the position information and the sound volume information,

wherein the control device requests the server to transmit the stored position

information and the stored sound volume information to the control device,
wherein the control device sends a second command including the position information
and the sound volume information transmitted from the server to the playing device such that
the playing device sets the sound volume information included in the second command and
the position information included in the second command for recovering the stored playback
status of the media content, and
wherein the media content is streamed from the server to the playing device according
to the set position information and is rendered in the playing device according to the set
sound volume information.

58. (New) An Apparatus for controlling a server and a playing device included in a
network in order to control content playback related information, the server and the playing
device configured in either different location mode or same location mode, the apparatus
comprising:

a control unit configured to:
match a protocol and a data format between the server and the playing device, the
server and the playing device configured in same location mode, wherein position
information and sound volume information are, when a media content is reproduced
according to the same location mode, used in same device for streaming and rendering the
content, the position information associated with current streaming position of the content
and the sound volume information associated with current sound volume of the content, the
position information and the sound volume information being transmitted separately from the
media content, and the media content including at least one of audio data and video data,
request the playing device matched with the server in the protocol and the data format
to receive and render the media content streamed from the server,
request the playing device to transmit the position information and the sound volume
information associated with a current playback status of the media content to the apparatus,
whereby the current playback status is stored in the server, and
sending a first command including the position information and the sound volume
information transmitted from the playing device to the server to store the position information
and the sound volume information,
wherein the controller requests the server to transmit the stored position information
and the stored sound volume information to the apparatus,

wherein the controller sends a second command including the position information and the sound volume information transmitted from the server to the playing device such that the playing device sets the sound volume information included in the second command and the position information included in the second command for recovering the stored playback status of the media content, and

wherein the media content is streamed from the server to the playing device according to the set position information and is rendered in the playing device according to the set sound volume information.